

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI 9196
for
VULCAN MATERIALS COMPANY
Durbin Landfill
(File No. 06-024)**

Vulcan Materials Company (Discharger) shall implement this Monitoring and Reporting Program (M&RP) at the Durbin Landfill (Site) beginning on the effective date of Board Order No. **R4-2006-0078**. The first monitoring report under this program is due by January 15, 2006.

I. Reporting

A. Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

The quarterly reports shall include both groundwater monitoring data as required in Section II and the waste disposal information as required in Section III of this M&RP. The October-December report shall include an annual summary of the data obtained during the previous calendar year.

- B. A transmittal letter transmitting the essential points of the report shall accompany each report. Such a letter shall include a discussion of any violations found since the last such report was submitted, and shall describe actions taken or planned for correcting those violations. If the Discharger has previously submitted a detailed time schedule for correcting said violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred since the last submittal, this shall be stated in the transmittal letter. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice president or above, or by his/her duly authorized representative, if such a representative is responsible for the overall operation of the facility from which the discharge originates.
- C. The Discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
- D. In the event that hazardous or other unacceptable wastes are detected, the Regional Board shall be notified by telephone or facsimile within 24 hours and by writing within 7 days. The type, source, and final disposition of those wastes shall also be reported.

- E. The Discharger may submit all monitoring results via an electronic reporting system (ERS) in a format approved by the Executive Officer. Electronic submittal of reports may become mandatory in the future, as determined by the Executive Officer.
- F. If the Discharger performs analyses for any parameter more frequently than required by this M&RP, using approved analytical methods, the results shall be included in the monitoring report.
- G. The Discharger may submit additional data to the Regional Board that are not required by this M&RP in order to simplify reporting to other agencies.
- H. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records regarding monitoring instrumentation, and copies of all data submitted to regulatory agencies, for a period of at least five years. This period may be extended by request of the Regional Board at any time, and shall be extended during the course of any unresolved litigation regarding all or any part of the entire Site.
- I. A duly authorized representative of the Discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Executive Officer.
- J. Each report submitted to the Regional Board shall contain the following completed declaration:

“I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the _____ day of _____ at _____ .

_____(Signature)

_____(Title)”

K. All reports required in this M&RP shall be addressed to:

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013
ATTN: Information Technology Unit

The reporting period and the compliance file number (CI 9196) must be clearly displayed on the title page to facilitate routing to the appropriate staff and file.

II. Water Quality Monitoring

- A. The Discharger shall establish a groundwater (including exposed groundwater) monitoring network at the Site as required in Section C. 1. of Order No. **R4-2006-0078**.
- B. Up-on completion of a groundwater monitoring network, all groundwater monitoring points must be sampled quarterly for at least two years so that adequate data may be collected for the establishment of quality protection standards (WQPSs) at the Site. Thereafter, groundwater monitoring frequency may be reduced to semi-annually as approved by the Executive Officer.
- C. All water samples shall be analyzed for the following constituents:

<u>Parameter</u>	<u>Units</u>
pH	pH units
Electrical conductivity	umhos/cm
Chemical oxygen demand	mg/l ¹
Total dissolved solids	mg/l
Oil and Grease	mg/l
Diesel	mg/l
Nitrates	mg/l
Chloride	mg/l
Sulfate	mg/l
Boron	mg/l
Cadmium	µg/l ²
Chromium	µg/l
Lead	µg/l
Nickel	µg/l
Volatile organic compounds (VOCs) (USEPA Method 8260B)	µg/l

In addition, the first two water samples of each monitoring point under this M&RP shall include determinations for all U.S. EPA Appendix I and II Constituents (Attachment 1) and

¹ ml/l = milligram per liter.

² µg/l = microgram per liter.

emergent chemicals including perchlorate, n-nitrosodimethylamine (NDMA), 1,4-dioxane (dioxane), 1,2,3,-trichloropropane (TCP), chromium, and hexavalent chromium (chromium-6).

- D. Semi-annual sampling shall be performed during the months of April and October. In the event sampling is not performed as above because of unforeseen circumstances, substitute sampling shall be performed as soon as possible after these times, and the reason for the delay shall also be given.
- E. The groundwater-monitoring program, once started, is to be continued even during periods when no wastes are deposited at the Site, and throughout the active life of the Site.
- F. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services Environmental Laboratory Accreditation Program, or approved by the Executive Officer. Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (EPA), and the laboratory must meet EPA Quality Assurance/Quality Control criteria.
- G. For any analyses performed for which no procedure is specified in the EPA guidelines, or in this Order, the constituent or parameter analyzed, and the method or procedure used, must be specified in the report.
- H. Analytical data reported as "less than" shall be reported as less than a numeric value, or below the limit of detection, for that particular analytical method.
- I. All analytical samples obtained for this M&RP shall be grab samples.
- J. The water quality monitoring report must also include the following:
 - 1. Sampling protocol and analytical methods used;
 - 2. Chain of custody documentation;
 - 3. Well purge data;
 - 4. If any required samples were omitted during the reporting period, a statement to that effect shall be made and reasons given for any omission;
 - 5. Groundwater elevations measured to the nearest 0.01 foot relative to mean sea level. The velocity and direction of ground water flow under the Site shall be determined after each monitoring event and reported;
 - 6. For any monitored waste parameter which is listed as such by the EPA or by the State of California, the discharger shall compare such data to the most stringent allowable concentrations under all existing Federal and State regulations;

7. An evaluation of the results of the testing signed by a California professional geologist or professional civil engineer.
8. If purged groundwater from the monitoring wells is used at the Site, the total volume, and areas of usage shall also be reported.

III. Waste Disposal Reporting

All quarterly reports to the Regional Board shall include the following information:

- A. A map showing the areas at the landfill where wastes were deposited during the monitoring period.
- B. A tabular list of the estimated average monthly quantities (in cubic yards) of materials deposited each month and the methods of disposal.
- C. Quantities (in tons or cubic yards) of unacceptable materials (such as household trash, wood, etc.) that were removed and sent out from the Site in each month. The places where these unacceptable materials were sent to shall also be reported.
- D. Quantities (in tons or cubic yards) of recycled materials (such as steal, crashed concrete, asphalt, etc.) that were sent out from the Site in each month.
- E. An estimate of the remaining life of the Site in years and months.
- F. A certification that all wastes disposal operations at the Site were in compliance with the Regional Board's requirements.

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by: /Original Signed by/
Jonathan S. Bishop, Executive Officer

Date: October 24, 2006